

# Graphing

Name: \_\_\_\_\_

A baby's weight is influenced by its age. When it is healthy, a baby will get heavier as it gets older. The data below shows how a baby's weight changed over time

Age (months)	Weight (lbs)
1	7.0
2	9.0
3	10.5
4	12.0
5	13.0
6	14.3
7	15.2
8	16.7

1. Graph the data using an "x-y scatter" graph and draw in a best fit line.

2. What are the two variables used in the experiment?

\_\_\_\_\_ and \_\_\_\_\_

3. Which variable is the independent variable and which is the dependent variable?

Independent variable = \_\_\_\_\_

Dependent variable = \_\_\_\_\_

4. What units are used for the independent variable? \_\_\_\_\_

5. What does the "curve" look like? \_\_\_\_\_

6. What is the title for this graph? \_\_\_\_\_

7. What is the Y-intercept of this graph? \_\_\_\_\_

8. What is the slope of the graph?

9. What is the meaning of the slope?



